

From: [Enders, Jhana](#)
To: [Orton, Chip](#)
Cc: [May, Shaun](#); [Turner, Philip](#); [Eddy Vance](#); [Chester, BJ](#); [david.durst@tceq.texas.gov](#); [Bojes, Heidi \(DSHS\)](#); [Stoughton, Casie](#); [Britten, Brad](#); [West, Theresa](#); [Young, Patrick](#)
Subject: Re: Preliminary Sampling Results Attached
Date: Tuesday, February 7, 2017 6:58:42 PM
Attachments: [image004.png](#)

Sorry Chip...been a long day. Let's try for Thursday if folks are around. Even though final results may not be back by then, we probably need to keep in tune with status and potential activities to anticipate once the final results are received and reviewed - any expected follow-up activities, etc. Maybe around 10:00 if folks are free. I will provide conference call number and code.

Sent from my iPad

On Feb 7, 2017, at 1:09 PM, Orton, Chip <Chip.Orton@amarillo.gov> wrote:

Do we want to have a call tomorrow? Or should we wait until Thursday? I guess some of this depends on when the final results will be back on the sampling. Jhana can you advise?

Chip

From: Enders, Jhana [<mailto:Enders.Jhana@epa.gov>]
Sent: Thursday, February 02, 2017 6:45 PM
To: May, Shaun
Cc: Turner, Philip; Eddy Vance; Chester, BJ; [david.durst@tceq.texas.gov](#); Bojes, Heidi (DSHS); Stoughton, Casie; Britten, Brad; West, Theresa; Young, Patrick; Orton, Chip
Subject: Preliminary Sampling Results Attached
 These are the 'PRELIMINARY' sampling results. The final results won't be back for about a week but I don't expect them to change. We need to have a call next week to discuss future plans. Chip, I can assist with a conference line if you can find a date/time that works for everyone.
 Thanks.

From: Orton, Chip [<mailto:Chip.Orton@amarillo.gov>]
Sent: Thursday, February 02, 2017 3:46 PM
To: Enders, Jhana <Enders.Jhana@epa.gov>; May, Shaun <Shaun.May@amarillo.gov>
Cc: Turner, Philip <Turner.Philip@epa.gov>; Eddy Vance <eddy.vance@tceq.texas.gov>; Chester, BJ <BJ.Chester@amarillo.gov>; [david.durst@tceq.texas.gov](#); Bojes, Heidi (DSHS) <Heidi.Bojes@dshs.state.tx.us>; Stoughton, Casie <Casie.Stoughton@amarillo.gov>; Britten, Brad <Brad.Britten@amarillo.gov>; West, Theresa <Theresa.West@amarillo.gov>
Subject: RE: Final Sampling Protocol and Detection level - (b) (6) Street
 Any update Jhana?
 Chip

From: Enders, Jhana [<mailto:Enders.Jhana@epa.gov>]
Sent: Monday, January 30, 2017 11:38 AM
To: May, Shaun

Cc: Turner, Philip; Eddy Vance; Chester, BJ; Orton, Chip; david.durst@tceq.texas.gov; Bojes, Heidi (DSHS); Stoughton, Casie; Britten, Brad; West, Theresa
Subject: Re: Final Sampling Protocol and Detection level - (b) (6) Street
The samples were taken on Saturday and we should have the results back Wednesday or Thursday.
I will share the results with the group when received. Thanks

Sent from my iPad

On Jan 26, 2017, at 4:19 PM, May, Shaun <Shaun.May@amarillo.gov> wrote:

I concur as well.
Thanks
Shaun

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shaun.may@amarillo.gov

From: Enders, Jhana [<mailto:Enders.Jhana@epa.gov>]
Sent: Thursday, January 26, 2017 2:54 PM
To: Turner, Philip; May, Shaun; Eddy Vance; Chester, BJ; Orton, Chip; david.durst@tceq.texas.gov
Cc: Bojes, Heidi (DSHS); Stoughton, Casie; Britten, Brad; West, Theresa
Subject: RE: Final Sampling Protocol and Detection level - Carolyn Street
Sounds like a good plan – will do unless I hear differently. Thanks.

From: Turner, Philip
Sent: Thursday, January 26, 2017 2:53 PM
To: Enders, Jhana <Enders.Jhana@epa.gov>; May, Shaun <Shaun.May@amarillo.gov>; Eddy Vance <eddy.vance@tceq.texas.gov>; Chester, BJ <BJ.Chester@amarillo.gov>; Orton, Chip <Chip.Orton@amarillo.gov>; david.durst@tceq.texas.gov
Cc: Bojes, Heidi (DSHS) <Heidi.Bojes@dshs.state.tx.us>; Stoughton, Casie <Casie.Stoughton@amarillo.gov>; Britten, Brad <Brad.Britten@amarillo.gov>; West, Theresa <Theresa.West@amarillo.gov>
Subject: Re: Final Sampling Protocol and Detection level - (b) (6) Street

My suggestion to run the HVAC to get up to temperature, but NOT to have it running during actual sampling... assuming sampling does not take so long that the house cools off too much during.

From: Enders, Jhana

Sent: Thursday, January 26, 2017 2:40 PM

To: May, Shaun; Eddy Vance; Chester, BJ; Orton, Chip;

david.durst@tceq.texas.gov

Cc: Bojes, Heidi (DSHS); Turner, Philip; Stoughton, Casie; Britten, Brad; West, Theresa

Subject: RE: Final Sampling Protocol and Detection level - (b) (6) Street

Do you all have a preference for HVAC on or off? If on, might circulate air better but could also end up being too much circulation to get a consistent sample...

From: May, Shaun [<mailto:Shaun.May@amarillo.gov>]

Sent: Thursday, January 26, 2017 2:02 PM

To: Enders, Jhana <Enders.Jhana@epa.gov>; Eddy Vance <eddy.vance@tceq.texas.gov>; Chester, BJ <BJ.Chester@amarillo.gov>; Orton, Chip <Chip.Orton@amarillo.gov>; david.durst@tceq.texas.gov

Cc: Bojes, Heidi (DSHS) <Heidi.Bojes@dshs.state.tx.us>; Turner, Philip <Turner.Philip@epa.gov>; Stoughton, Casie <Casie.Stoughton@amarillo.gov>; Britten, Brad <Brad.Britten@amarillo.gov>; West, Theresa <Theresa.West@amarillo.gov>

Subject: RE: Final Sampling Protocol and Detection level - (b) (6) Street

Jhana, here are the recommendations that Dr. Milton would like to share with Unified Command regarding confirmation sampling:

- 1) Pull a sample in each room of the house, at 12 inches off the floor as close to the floor vents as possible. Additional samples to be pulled in the HVAC closet.
- 2) Samples must be pulled only when ambient air is 70 degree F or greater.

Please let me know if you have additional questions or concerns.

Thanks

Shaun

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shaun.may@amarillo.gov

From: Enders, Jhana [<mailto:Enders.Jhana@epa.gov>]

Sent: Wednesday, January 25, 2017 5:25 PM

To: May, Shaun

Subject: RE: Final Sampling Protocol and Detection level - (b) (6) Street
Thanks Shaun

From: May, Shaun [<mailto:Shaun.May@amarillo.gov>]

Sent: Wednesday, January 25, 2017 5:23 PM

To: Enders, Jhana
Cc: Orton, Chip ; eddy.vance@tceq.texas.gov;
david.durst@tceq.texas.gov; Chester, BJ ; Milton, S ; Bojes,Heidi (DSHS)
; Turner, Philip ; Britten, Brad ; West, Theresa ; Stoughton, Casie
Subject: Re: Final Sampling Protocol and Detection level - (b) (6)
Street
I see. Ok, I will consult with Dr. Milton.
Shaun

Sent from my iPhone

On Jan 25, 2017, at 5:15 PM, Enders, Jhana <Enders.Jhana@epa.gov>
wrote:

We monitored at multiple locations as there was no specific guidance given. Would like a recommendation from the group to ensure we are accurately addressing any concerns you might have. Thanks.

From: May, Shaun [<mailto:Shaun.May@amarillo.gov>]
Sent: Wednesday, January 25, 2017 5:09 PM
To: Enders, Jhana <Enders.Jhana@epa.gov>; Orton, Chip <Chip.Orton@amarillo.gov>; eddy.vance@tceq.texas.gov;
david.durst@tceq.texas.gov; Chester, BJ <BJ.Chester@amarillo.gov>
Cc: 'Milton, S' <s.milton@ttuhsc.edu>; Bojes,Heidi (DSHS) <Heidi.Bojes@dshs.state.tx.us>; Turner, Philip <Turner.Philip@epa.gov>; Britten, Brad <Brad.Britten@amarillo.gov>; West, Theresa <Theresa.West@amarillo.gov>; Stoughton, Casie <Casie.Stoughton@amarillo.gov>

Subject: RE: Final Sampling Protocol and Detection level - (b) (6) Street

My assumption is that they would be the same number and the same locations that were used during the air monitoring phase as we are conducting confirmatory sampling. I would certainly defer to any recommendations from Dr. Milton, Dr. Bojes, and Dr. Turner. However, if specific numbers and locations were not used each time during the monitoring phase, then we will need obviously need to determine numbers and locations.

Shaun

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shaun.may@amarillo.gov**

From: Enders, Jhana [<mailto:Enders.Jhana@epa.gov>]
Sent: Wednesday, January 25, 2017 5:04 PM
To: May, Shaun; Orton, Chip; eddy.vance@tceq.texas.gov; david.durst@tceq.texas.gov; Chester, BJ
Cc: 'Milton, S'; Bojes, Heidi (DSHS); Turner, Philip; Britten, Brad; West, Theresa; Stoughton, Casie
Subject: RE: Final Sampling Protocol and Detection level - (b) (6) Street
Ok, need just a little more info...how many samples and where do you want them collected from? Thanks.

From: May, Shaun [<mailto:Shaun.May@amarillo.gov>]
Sent: Wednesday, January 25, 2017 2:59 PM
To: Orton, Chip <Chip.Orton@amarillo.gov>; Enders, Jhana <Enders.Jhana@epa.gov>; eddy.vance@tceq.texas.gov; david.durst@tceq.texas.gov; Chester, BJ <BJ.Chester@amarillo.gov>
Cc: 'Milton, S' <s.milton@ttuhsc.edu>; Bojes, Heidi (DSHS) <Heidi.Bojes@dshs.state.tx.us>; Turner, Philip <Turner.Philip@epa.gov>; Britten, Brad <Brad.Britten@amarillo.gov>; West, Theresa <Theresa.West@amarillo.gov>; Stoughton, Casie <Casie.Stoughton@amarillo.gov>
Subject: Final Sampling Protocol and Detection level - (b) (6) Street

Importance: High

Good morning everyone,
Dr. Milton , myself, Dr. Bojes, and Dr. Turner discussed final confirmation sampling for (b) (6) Street yesterday afternoon. Dr. Bojes and Dr. Turner presented their recommendation for the detection level and methodology for confirmation sampling. Their recommendation to Dr. Milton was to use the OSHA Method 1003 for Phosphine Gas. The detection level for this method is 10 ppb or 13 µg/m³. Dr. Milton has agreed to proceed with the recommendation. Dr. Turner will be coordinating with Jhana and the contractors under her supervision. At this time, we do not have a exact time estimate on the delivery of the sampling cassettes or their arrival on-site here in Amarillo. It is our understanding that Jhana, with support from Dr. Turner, will be overseeing the confirmation sampling protocol.
I have attached a link to the sampling protocol for reference - <https://www.osha.gov/dts/sltc/methods/mdt/mdt1003/1003.html>
Please let me know if you have any questions or concerns.
Additionally, I have spoken with Dr. Milton and he approves dropping the 24-security detail for the property/home provided that the gate to the property can be locked/secured along with the home being secured/locked.

Thanks
Shaun



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